

---

INDEX TO VOLUME 70

---

- Acid Mine-drainage Problem of the Patoka River Watershed, Southwestern Indiana, book review of, 217
- A Contribution toward a Bibliography of Ohio Zoology, book review of, 62
- A Flora of North America: Containing Abridged Descriptions of all the Known, Indigenous and Naturalized Plants Growing North of Mexico; Arranged According to The Natural System, 198
- Agricultural pollution, 50
- Alaska, snow-bank kames in, 107; leafhopper beneath icy tides of, 111
- Albuginaceae (fungi) of Ohio, 218
- Algae, *Bangia atropurpurea*, in western Lake Erie, 56; species along shore of western Lake Erie, 257; species in upper Cuyahoga River system, 295
- Archaeological studies, of Ohio fluted points, 352
- Aspidobothrean trematodes in Ohio mussels, 335
- Bangia atropurpurea*, in western Lake Erie, 56
- Bass Islands Formation, 1
- Beaches, ancient, of northwestern New York, 78
- Beavers, use of woody plants by, in Ohio, 123
- Bedrock, of Bass Islands, 1
- Bedrock Geology of the Madeira Quadrangle, Hamilton and Clermont Counties, Ohio, book review of, 319
- Behaviour, of grackles, 284
- Behrman, E. J., book review by, 256
- Berg, Clifford O., 146
- Berry, Richard Lee, 128
- Biographical sketches, index to all in Academy publications, 246
- Blackbirds, study of repeats at decoy trap, 162
- Blackwell, Will H., Jr., 346
- Book Reviews
- Acid Mine-drainage Problem of the Patoka River Watershed, Southwestern Indiana, by Don M. Corbett, reviewed by Jane L. Forsyth, 217
- A Contribution toward a Bibliography of Ohio Zoology, by David Gerrick, reviewed by Barry Valentine, 62
- A Flora of North America: Containing Abridged Descriptions of all the Known, Indigenous and Naturalized Plants Growing North of Mexico; Arranged According to the Natural System, by John Torrey and Asa Gray, reviewed by Ronald L. Stuckey, 198
- Bedrock Geology of the Madeira Quadrangle, Hamilton and Clermont Counties, Ohio, by Robert H. Osborne, reviewed by Ohio Division of Geological Survey, 319
- Environmental Geology: Conservation, Land-use Planning, and Resource Management, by Peter T. Flawn, reviewed by Garry D. McKenzie, 379
- Introduction to Microfossils, by Daniel J. Jones, reviewed by Walter C. Sweet, 319
- Lewis and Clark: Pioneering Naturalists, by Paul Russell Cutright, reviewed by George W. White, 192
- Lichens of Ohio. Part 2. Fruiticose and Cladoniform Lichens, by Conan J. Taylor, O.F.M., reviewed by Emanuel D. Rudolph, 191

- "Noble Fellow" William Starling Sullivan, by Andrew Denny Rogers III, reviewed by James R. Rastorfer, 255
- Optical Rotatory Dispersion of Proteins and Other Macromolecules, by B. Jirgensons, reviewed by E. J. Behrman, 256
- Ore Deposits as Related to Structural Features, edited by W. H. Newhouse, reviewed by George E. Moore, Jr., 380
- Physics in My Generation: A selection of papers, by Max Born, reviewed by T. Z. Fullmer, 379
- Polar Secrets: A Treasury of the Arctic and Antarctic, edited by Seon Manley and Gogo Lewis, reviewed by Garry D. McKenzie, 320
- Practical Work in Elementary Astronomy, by M. G. J. Minnaert, reviewed by Terry P. Roark, 57
- Principles of Animal Behavior, by William N. Tavolga, reviewed by L. S. Putnam, 33
- Proceedings of the Apollo II Lunar Science Conference, edited by A. A. Levinson, reviewed by Duncan McConnell, 380
- Sir Humphry Davy's Published Works, by June Z. Fullmer, reviewed by Alfred B. Garrett, 128
- Strength and Structure of the Earth (Reprint), by Reginald Aldworth Daly, reviewed by Colin Bull, 38
- The Apparatus of Science at Harvard 1755-1800, by David P. Wheatland, assisted by Barbara Carson, reviewed by Emanuel D. Rudolph, 63
- The Biological Aspects of Water Pollution, by Charles E. Wilber, reviewed by Clarence E. Taft, 106
- The Pocket Encyclopedia of Plant Galls in Colour, by Arnold Darlington, reviewed by C. Wayne Ellett, 237
- The Subsurface Silurian-Devonian "Big Lime" of Ohio, by Gordon L. Owens, reviewed by Ohio Division of Geological Survey, 318
- Thomas and Elizabeth Lamboll: Early Charleston Gardiners, by Elise Pickney, reviewed by Emanuel D. Rudolph, 378
- Volcanoes as Landscape Forms, by C. A. Cotton (reprint), reviewed by J. H. Mercer, 161
- Water Masses and their Movements in Western Lake Erie, by Charles E. Herdendorf, reviewed by Ohio Division of Geological Survey, 364
- Bookhout, Theodore A., 123
- Born, Max, review of book by, 379
- Brenner, Fred J., 233
- Britain, regional planning in, 321
- Brockett, Bruce L., 122
- Bull, Colin, book review by, 38
- Burich, Raymond, 306
- Burns, George W., 193
- Burt, Harold E., 162
- Calkin, Parker E., 78
- Capture, of stream in Florence Valley, 341
- Carcinogenesis, chemical, 371
- Carlson, James H., 365
- Carson, Barbara, review of book contributed to by, 63
- Chantell, Charles J., 120
- Chile, new species of leafhopper from, 118
- Chromosome number of *Stium suave*, 122
- Cicadellidae, Alaska form living beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304
- Clemmys insculpta*, influence of light and temperature on, 233
- Color preferences of mud crab, 115
- Columbus, Ohio, seasonal variation in solute content of Olentangy and Scioto Rivers at, 170
- Compositae, monograph of *Silphium compositum*, 226
- Cooke, G. Dennis, 150
- Cooke, Wm. Bridge, 129
- Corbett, Don M., review of book by, 217
- Cotton, C. A., review of book (reprint) by, 161
- Crab, xanthid mud, color preferences of, 115
- Crotalus* remains from Ohio, 120
- Cutright, Paul Russell, review of book by, 192
- Cuyahoga River, algae of, 295
- Daly, Reginald Aldworth, review of book (reprint) by, 38
- Dambach, Charles A., 199
- Darlington, Arnold, review of book by, 237
- Decarboxylation of trichloroacetic acid, 97
- Dehydrogenases, effects on mouse testes, 306
- DeLong, Dwight M., 111; 118
- Deterioration of human gene pool, 193
- Dollar Lake, northeastern Ohio, eutrophication of, 150
- Drosophila melanogaster*, genetics of a mutant in, 365
- Downing, Rachel Cox, 257
- Dutt, Ashok K., 321
- Eastin, René, 170
- Edwards, William M., 50
- Ellett, C. Wayne, 218; book review by, 237
- Environmental Geology: Conservation, Land-use Planning, and Resource Management, book review of, 379
- Environmental quality, the search for, 199
- Eutrophication of Dollar Lake, northeastern Ohio, 150
- Ewing, Keith L., 306
- Faure, G., 170
- Finger Lakes, New York, mollusca of, 146
- Fishel, D. L., 371
- Fishes, of Lake Erie, 65; walleyes in Hoover Reservoir, 314
- Flanagan, J. Patrick, 300
- Flawn, Peter T., review of book by, 379
- Florence Valley, an abandoned stream valley, 341
- Florida, new species of leafhopper from, 304
- Fluorenes, syntheses of 2,7-bis(acetamido)-fluorenes, 371
- Fluted points, statistical analysis of, 352
- Forsyth, Jane L., 180; 310; book review by, 217
- Freytag, Paul H., 304

- Fruit moth, oriental, economic aspects and control of, 58  
 Fuller, June Z., review of book by, 128; book review by, 379  
 Fungi, in sewage treatment, 129; Peronosporales of Ohio, 218; human-pathogenic, in soils of central Ohio, 291
- Gallicchio, Vincent, 319  
 Garrett, Alfred B., book review by, 128  
 Gene pool, human, deterioration of, 193  
 Genetics of a mutation in *Drosophila*, 365  
 Geology, Silurian Bass Islands Formation, 1; related to Natural Vegetation Map of Ohio, 180  
 Gerberg, Gary, 115  
 Gerrick, David, review of book by, 63  
 Giltz, Maurice L., 162  
 Glacial lakes, of northwestern New York, 78  
 Grackles, pair formation, nest building, and egg laying of, 284  
*Grapholita molesta*, economic aspects and control of, 58  
 Gray, Asa, review of book by, 198  
 Great Britain, regional planning in, 321
- Harman, Willard N., 146  
 Harrold, Lloyd L., 50  
 Henry, Dale B., 123  
 Herdendorf, Charles E., review of book by, 364  
 Hole, Thorton J. F., 341  
 Homoptera, Alaskan form living beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304  
 Hoover Reservoir, walleyes in, 314  
 Horseshoe crabs, young, movements of, 276  
 Human gene pool, deterioration of, 193
- Illinoian molluscan fauna, from Kansas, 39  
 Introduction to Microfossils, book review of, 319
- Jamacerus*, new species of, from Florida, 304  
 Jirgensons, B., review of book by, 256  
 Jones, Daniel J., review of book by, 319
- Kennedy, Robert L., 150  
 Kishler, Jack, 56  
 Kletecka, G., 371  
 Kurup, P. V., 291
- Lake Erie, *Bangia atropurpurea* in, 56; fishes of, 65; western, shoreline algae of, 257  
 Laque, William E., 97  
 Leach, Paul, 319  
 Leafhopper, Alaskan, that lives beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304  
 Lebanon, fungi in sewage-treatment plant of, 129  
 Lessler, Milton A., 300  
 Levinson, A. A., review of book edited by, 380  
 Lewis and Clark: Pioneering Naturalists, book review of, 192  
 Lewis, Gogo, review of book edited by, 320
- Lichens of Ohio. Part 2. Fruitcose and Cladoniform Lichens, book review of, 191  
 Light, influence of, on *Clemmys insculpta*, 233  
*Limulus*, young, movements of, 276  
*Loxosceles* in Ohio, 128  
 Lung fluke, in feral Ohio mink, 319  
 Lythraceae, of Ohio, 346
- Macrosteles*, Alaskan leafhopper that lives beneath icy tides, 111  
 Mahr, August Carl, obituary of, 245  
 Manley, Seon, review of book edited by, 320  
 Maxwell, George R., II, 284  
 McConnell, Duncan, book review by, 380  
 McKenzie, Douglas, H., 352  
 McKenzie, Garry D., 107; book review by, 320, 379  
 Mercer County, postglacial environment of a kettle in, 310  
 Mercer, J. H., book review by, 161  
 Miami County, rattlesnake remains from, 120  
 Mice, effects of dehydrogenases on testes of, 306  
 Miller, Barry B., 39  
 Mink, lung fluke in, 319  
 Minneart, M. G. J., review of book by, 57  
 Mollusca, of New York Finger Lakes, 146; fauna from Illinoian of Kansas, 39; parasites in, 335  
 Moore, George E., Jr., book review by, 380  
 Morphometry of Dollar Lake, northeastern Ohio, 150  
 Moth, oriental fruit, economic aspects and control of, 58  
 Mouse testes, effects of dehydrogenases in, 306  
 Muralidhara, R., 371  
 Mussels, Ohio, parasites in, 335
- Newhouse, W. H., review of book edited by, 380  
 New York, northwestern, ancient beaches and glacial lakes of, 78; mollusca of Finger Lakes of, 146  
 "Noble Fellow" William Starling Sullivant, book review of, 255  
*Nullamia*, new species of, from Chile, 118
- Obituaries, index to all in Academy publications, 246  
 The Ohio Academy of Science, officers and committees, 238; Necrology, 239; index to all biographical sketches and obituaries in publications of, 246  
 Ohio Division of Geological Survey, book review by, 318, 319, 364  
 Ohio Journal of Science, list of reviewers, 64  
 O'Leary, James W., 34  
 Olentangy River, seasonal variation in sulfate content of, 170  
 Olentangy Shale, age of and stratigraphy, 202  
 Optical Rotatory Dispersion of Proteins and Other Macromolecules, book review of, 256  
 Ore Deposits as Related to Structural Features, book review of, 380

- Oriental fruit moth, economic aspects and control of, 58  
 Osborne, Robert H., review of book by, 319  
 Owens, Gordon L., review of book by, 318
- Paragonimus*, in feral Ohio mink, 319  
 Parasites, in lungs of feral Ohio mink, 319; in Ohio mussels, 335  
 Peronosporaceae (fungi) of Ohio, 218  
 Physics in My Generation. A selection of papers, book review of, 379  
 Pinkney, Elise, review of book by, 378  
 Planning, regional, in Britain and The Netherlands, 321  
 Plant water potential, measurement of, 34  
 Plants, used by beavers in Ohio, 123; Lythraceae of Ohio, 346  
 Pleistocene, molluscan fauna of, from Kansas, 39; beaches and glacial lakes of northwestern New York, 78; Pleistocene history of a small kettle in Mercer County, 310  
 Polar Secrets: A Treasury of the Arctic and Antarctic, book review of, 320  
 Pollution, agricultural, 50  
 Postglacial environment of a small kettle in Mercer County, 310  
 Practical Work in Elementary Astronomy, book review of, 57  
 Principles of Animal Behavior, book review of, 33  
 Proceedings of the Apollo II Lunar Science Conference, book review of, 380  
 Putnam, L. S., book review by, 33
- Rastorfer, James R., book review by, 255  
 Rats, controlled phenylhydrazine-induced reticulocytosis in, 300  
 Rattlesnakes, timber, remains from Ohio, 120  
 Redmond, Charles E., 341  
 Regional Planning, in Britain and The Netherlands, 321  
 Reticulocytosis, phenylhydrazine-induced, in rats, 300  
*Rhithropanopeus*, color preferences of, 115  
 Rhodes, Russell G., 295  
 Rings, Roy W., 58  
 Roark, Terry P., book review by, 57  
 Rogers, Andrew Denny, III, review of book by, 255  
 Ronneberg, Conrad E., 97  
 Rudolph, Emanuel D., book review by, 63, 191, 378
- Sandahl molluscan fauna, 39  
 Schmitt, J. A., 291  
 Schwartz, Frank J., 115  
 Scioto River, seasonal variation in solute content of, 170  
 Sewage treatment, fungi in, 129  
*Silphium compositum*, monograph of, 226  
 Silurian, Bass Islands Formation, 1  
 Sir Humphry Davy's Published Works, book review of, 128  
*Sium suave*, chromosome number of, 122  
 Smith, Dwight L., 245  
 Snow-bank kames, in Alaska, 107  
 Sparling, Dale R., 1  
 Spider, *Loxosceles*, in Ohio, 128
- Soils, in central Ohio, human-pathogenic fungi of, 291  
*Stizostedion* (walleyes) in Hoover Reservoir, 314  
 Stratigraphy of Olentangy Shale, 202  
 Stream capture, of Florence Valley, 341  
 Strength and Structure of the Earth (reprint), review of, 38  
 Stromberg, Paul C., 335  
 Stuckey, Ronald L., 246; book review by, 198  
 Sweeney, Carol R., 226  
 Sweet, Walter C., book review by, 319  
 Swimming, observed in young horseshoe crabs, 276
- Taft, Clarence E., 56; book review by, 106  
 Taub, Stephen H., 314  
 Tavalga, William N., review of book by, 33  
 Taylor, Conan J., O.F.M., review of book by, 191  
 Temperature, influence of, on *Clemmys insculpta*, 233  
 Terzis, Anthony J., 295  
 The Apparatus of Science at Harvard 1755-1800, book review of, 63  
 The Biological Aspects of Water Pollution, book review of, 106  
 The Netherlands, regional planning in, 321  
 The Pocket Encyclopedia of Plant Galls in Colour, book review of, 237  
 The Subsurface Silurian-Devonian "Big Lime" of Ohio, book review of, 318  
 Thomas and Elizabeth Lamboll: Early Charleston Gardeners, book review of, 378  
 Tillman, John R., 202  
 Timber rattlesnake remains from Ohio, 120  
 Tissue-immersion methods, for measurement of plant water potential, 34  
 Torrey, John, review of book by, 198  
 Trap, study of blackbird repeats at, 162  
 Trautman, Milton B., 65  
 Trematodes, from Ohio mussels, 335  
 Trichloacetic acid, decarboxylation of, 97  
 Tucker, Thomas R., 314  
 Turtles (*Clemmys insculpta*), influence of light and temperature on, 233
- Urban, Donald R., 310
- Valentine, Barry, book review by, 63  
 Van Meter, Harry D., 65  
 Vegetation Map of Ohio, geology related to, 180  
 Venard, Carl E., 128  
 Venation, mutation in *Drosophila*, 365  
 Vertebrate remains from Miami County, 120  
 Volcanoes as landscape forms (reprinted), book review of, 161  
 Vosatka, E. D., 276
- Walleyes in Hoover Reservoir, 314  
 Water, in plants, measurement of potential, 34  
 Water Masses and their Movements in Western Lake Erie, book review of, 364  
 Wheatland, David P., review of book by, 63  
 White, George W., book review by, 192  
 Wilber, Charles G., review of book by, 106
- Xanthid mud crab, color preferences of, 115